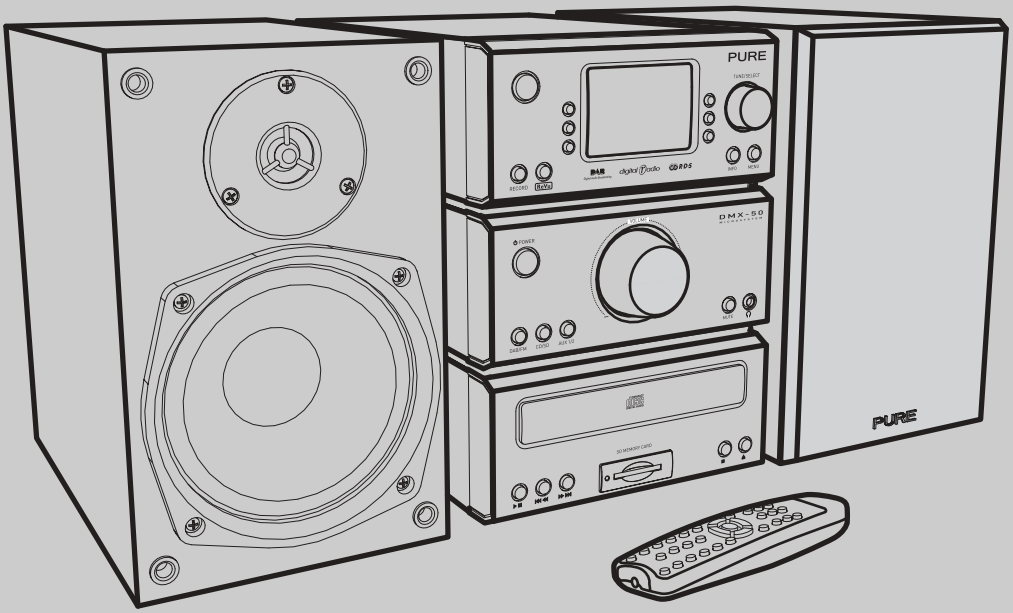
Owner's manual

DMX-50

MICROSYSTEM



Digital Audio Broadcasting

PURE

Safety instructions

Keep the unit away from heat sources such as radiators, heaters or other appliances that produce heat.

Ensure that the unit is not placed in such a way as to interfere with proper ventilation. For example the unit should not be placed on soft furnishings that may block ventilation openings or placed in an enclosed unit such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Do not expose the unit to direct sunlight.

Do not use the unit near water.

Avoid objects or liquids getting into the unit.

Do not remove screws from or open the unit casing.

Care instructions

DMX-50 speaker casings have a wood veneer covering. As with other wood products care must be taken when handling and cleaning to protect the wood from damage.

Do not expose the casings to detergents, solvents or abrasive materials

Do not expose the casings to sources of direct heat such as hot drinks.

Wipe over gently with a soft cloth to clean the casings.

Occasional use of light furniture polish (applied via a soft cloth) will help protect the surface.

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Credits

This manual was written by Bruce Murray. It is a product of PURE Digital, Imagination Technologies Ltd., Imagination House, Home Park Estate, Kings Langley, Herts, WD4 8LZ, UK.

Version 1 October 2005

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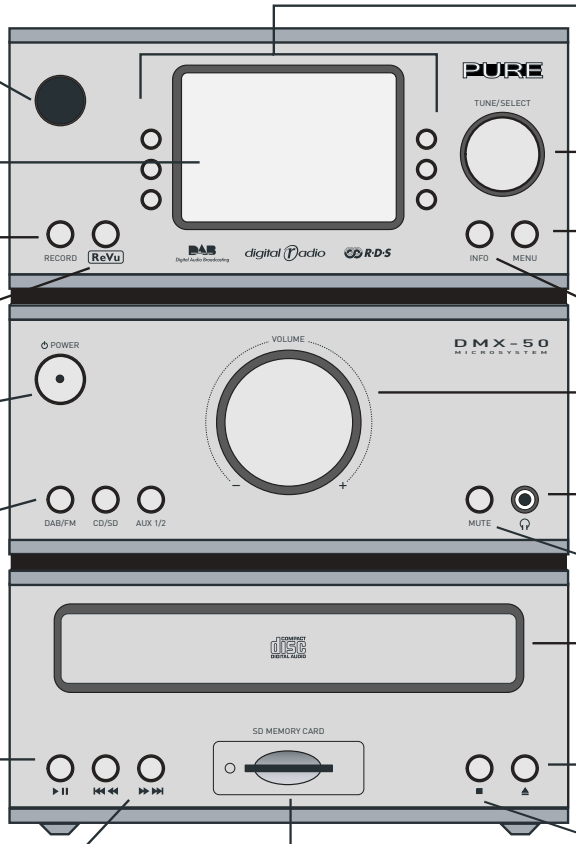
Getting started

Overview diagrams

These diagrams show the function of controls, the connectors on the rear panel, the remote control and screen icons.

Front panel



Infrared receiver
Receives signal from remote control

LCD screen
Backlit LCD screen with variable contrast and brightness

RECORD
Starts and stops record of DAB radio to SD card

ReVu
Enters ReVu mode for DAB pause and rewind

POWER
Switches between on and standby

Mode buttons
Switch between DAB/FM, CD/SD card and AUX 1/2 inputs

Play/Pause
Toggle play/pause of CD or SD track.

Skip/Fast forward/Rewind
Press to skip to next/previous CD/SD track.
Hold to fast forward or rewind through the current track.

SD MEMORY CARD
Slot for SD card removable MP3 storage.
Light shows when recording or accessing card via USB.

Six shortcut buttons
Provide quick access to radio presets, CD/MP3 controls and menu options

TUNE/SELECT
Turn to browse and push to select stations, tracks and menu options

MENU
Change audio and general setup options

INFO
Switch between display modes and exit menus

VOLUME
Turn for volume

Headphone
3.5 mm headphone socket (mutes speakers)

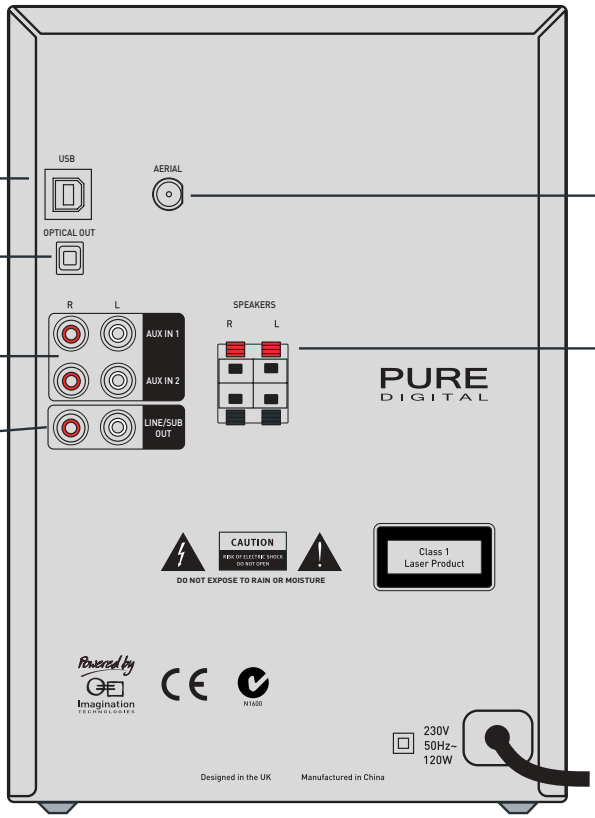
MUTE
Mutes output from speakers/headphones

CD tray
For audio and MP3 CDs

CD eject button
Opens and closes the CD tray

STOP
Stop playback of CD or SDcard.

Rear panel



USB
Type B connector for software upgrades and SD card access

OPTICAL OUT
Digital output of DAB, FM, CD or SD

AUX 1/AUX 2
Stereo inputs from iPod/minidisc etc.

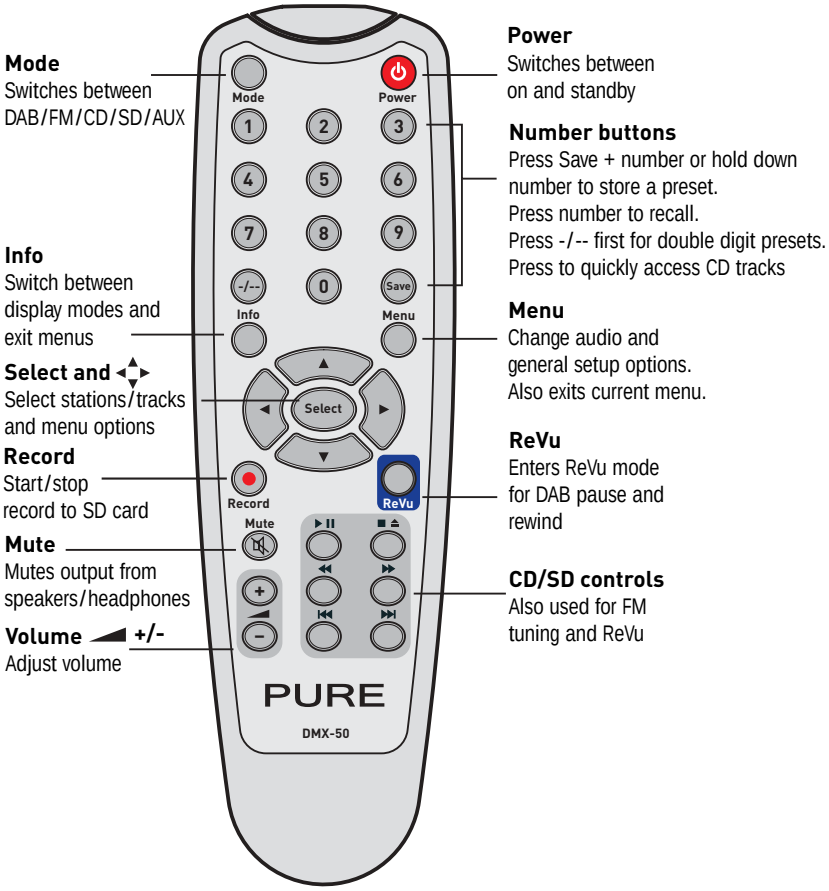
LINE/SUB OUT
Configurable output giving fixed volume output for connection to an external amplifier or recorder or variable for connection to a powered subwoofer.
See page 17 for details.

AERIAL
F-type connector for DAB/FM aerial.
Unscrew aerial cap and remove to access.

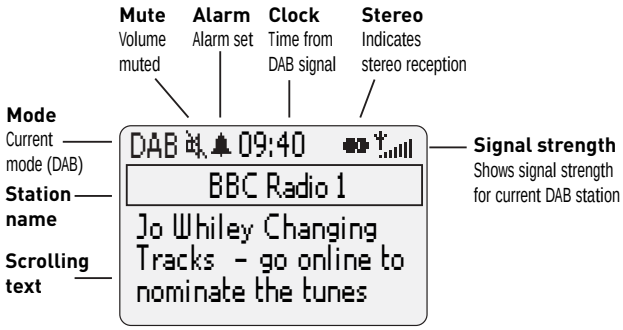
SPEAKERS
Spring loaded speaker connectors
Connect red socket to red on speaker and black socket to black on speaker

Power Lead

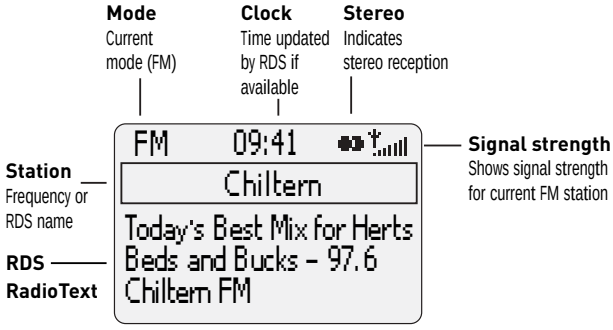
Remote control



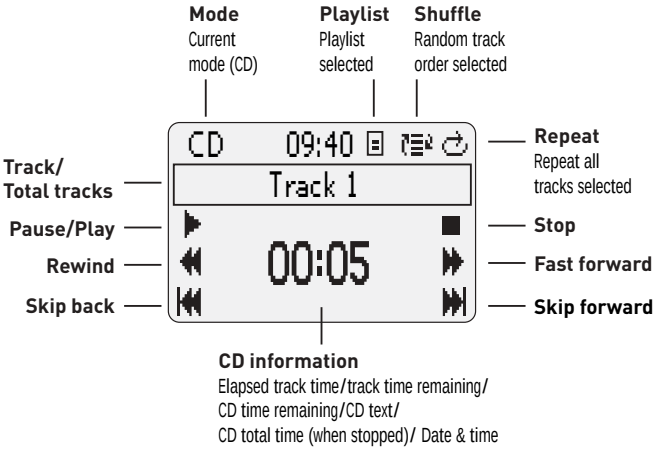
DAB screen



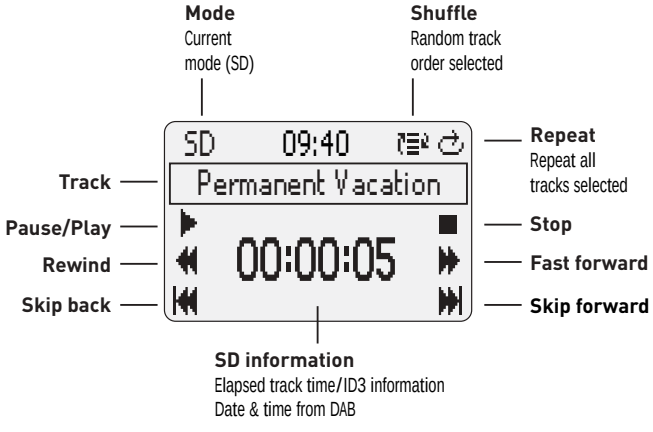
FM screen

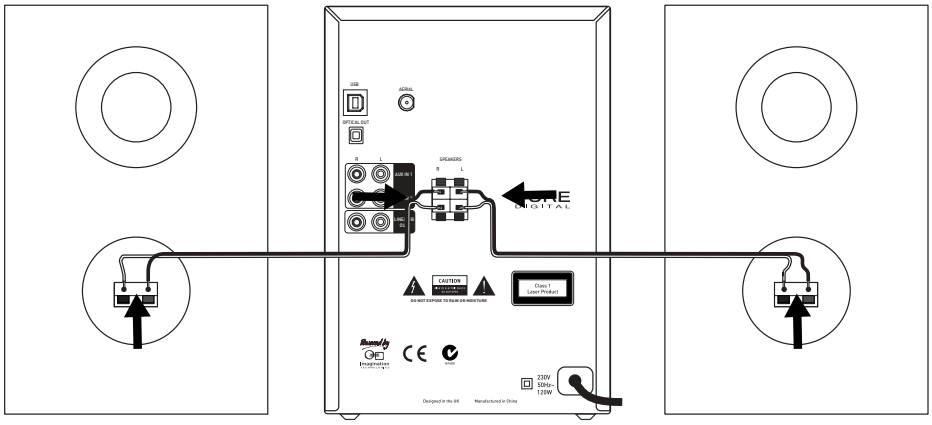


CD screen



SD screen

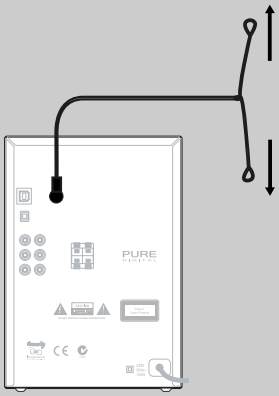




Connecting speakers

When connecting speakers connect the red (positive) terminals on DMX-50 to the red terminals on the speaker and black (negative) to black. The speaker cable has a darker tint on one strand to aid connection.

Ensure that the bared ends of the wires are securely gripped by the spring clips. Note that the sound from new speakers should improve over the course of a few days as they are 'run-in'.



Extending the aerial

Switch on and off

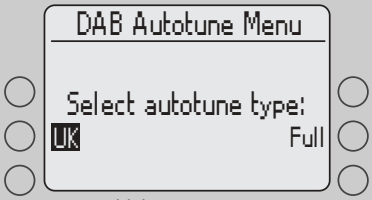
Before switching on for the first time - ensure the aerial is uncoiled and mounted as high as possible.

When you first plug in your DMX-50 it switches to DAB mode and asks you if you want to perform a UK (UK Band III only) or Full autotune (full Band III) to find all DAB stations available in your area. These stations are stored in a station list and ordered alphanumerically.

The first station on the station list is selected.

To switch your unit off (standby) - press the POWER button on the unit or remote control. You see the standby symbol ⏻ and clock on the screen. Push the INFO button to change between a small clock, large clock and day/time /date display in standby.

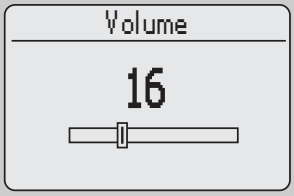
To switch your DMX-50 back on press the POWER button again. Your unit starts in whatever mode you were in when you switched off.



Initial startup screen

Changing the volume

Use the large Volume dial on the main unit or volume buttons on the remote control to adjust the volume. When you adjust the volume you temporarily see the volume scale on screen indicating the current level. You can also Mute the volume using the MUTE button on the main unit or remote control.



Adjusting volume

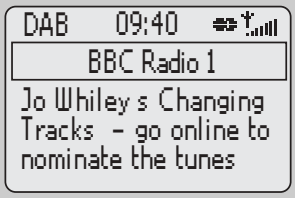
Navigating menus

You turn the TUNE/SELECT dial to scroll through menu options or station or track lists and push the dial to select options. In most menus if you do not select anything you return to the previous screen. Alternatively use the equivalent (◄▲▼► + Select) remote control buttons. You can also press a shortcut button to select the option shown on screen next to that button.

Listening to DAB radio

To listen to DAB radio press the DAB/FM button on the main unit or Mode button on the remote until you see DAB in the top left of the screen.

When you first switch on your DMX-50 it automatically enters DAB mode, autotunes to find all DAB stations available in your area and lists them in alphanumeric order.



Default DAB screen

Selecting a station

To change stations, turn the TUNE/SELECT dial to scroll through the station list, then push the dial to tune to the highlighted station. Alternatively use the (▲ ▼ + Select) remote control buttons.

The currently selected station is shown in the box at the top of the screen.

Selecting a station

Changing the information displayed

To change what you see on screen while you listen to DAB radio press the INFO button. Choose between the following options:

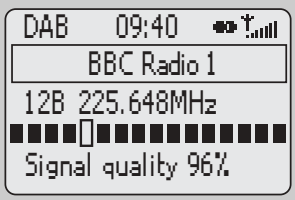
Text Scrolling text broadcast by most stations.

Reception info DAB channel and frequency of the station you are listening to, signal strength meter and signal quality reading. As a guide, values from 85 to 100 indicate good reception, 70 to 84 average reception and 0 to 69 poor reception.

Broadcast info Name of the multiplex the current station belongs to. Multiplexes are groups of stations broadcast by a single operator. Description of the content broadcast by the station, Stereo or Mono indicator and data rate at which the station is being transmitted. This rate is set by the stations to suit the type of material being transmitted. High rates generally mean higher quality.

Presets DAB presets for quick access to your favourite stations using the six shortcut buttons.

Date and time Date and time broadcast by the multiplex.



Information modes - Reception info

Information modes - Broadcast info

Information modes - Date and time

ReVu™ - Pausing and rewinding radio

ReVu mode lets you pause and rewind live DAB digital radio.

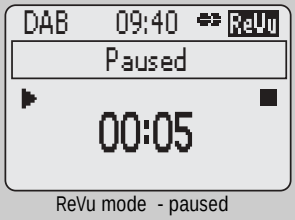
DMX-50 constantly stores audio and text from the station you are tuned to in its memory. The amount stored depends on how long you have been listening to that station and the data rate of the broadcast. You can access this stored audio and pause or rewind live radio over short periods (approximately 10 to 20 minutes depending on data rate).

Once the memory is full, ReVu keeps adding to the memory but starts to overwrite the oldest stored audio and text.

You can enter ReVu mode in two ways:

Paused - press and release the ReVu button or pause button on the remote

Fast forward/rewind - press and hold the ReVu button for three seconds or press the fast forward/rewind or skip forward/back buttons on the remote



ReVu mode - paused

ReVu mode - playing

When you enter ReVu mode you see the ReVu icon on the screen and a timer shows how many minutes and seconds behind the live broadcast you are.

Once in ReVu mode you can toggle between paused and playing by pushing the ReVu button again or pressing the pause/play (❙❙/▶) button. To exit ReVu mode and return to the live broadcast press the stop button (■) or press TUNE/SELECT or press the skip forward (⏭) button to catch up with the live broadcast but remain in ReVu mode.

To pause and replay live radio

Press the ReVu button. The screen shows 'Paused' and the timer shows how far behind the live broadcast you are.

Press the ReVu button again to start replaying the stored audio and text from where you left off. The timer stops counting, showing that you are now listening that many minutes and seconds behind real time. You can listen in this way for as long as you like, or press the fast forward, skip forward, stop button or press TUNE/SELECT to catch up to real time.

To rewind radio

Press the ReVu button twice. Use the Rewind (⏪) button to move back in the recorded audio or the skip back (⏮) button to return to the start.

Presets 1 to 4

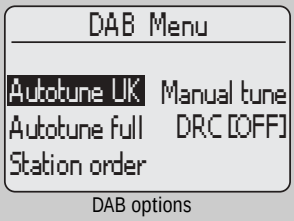
Storing and recalling presets

You can store up to 99 of your favourite stations as presets which you can then access quickly using the shortcut buttons or remote control. You can store and access presets while using ReVu but changing station will exit ReVu.

Press any shortcut button or ◄ / ► buttons on the remote or set the Information mode to show the presets as described on page 5. This shows the first page of presets on the screen. Flick through the other pages of presets using the left (⬅)and right (➡) shortcut buttons, ◄ / ► on the remote or skip buttons on the remote.

To store a preset - Hold down the shortcut button or numbered button on the remote you want to store the current station to until the station name appears or press the Save button and numbered buttons on the remote. The preset is stored.

To recall a preset - Press the shortcut button next to the preset you want to listen to or press the number buttons on the remote.



DAB options

Changing DAB options

To customise the way your DMX-50 works in DAB mode press the Menu button, select DAB and choose from the following:

Autotune UK
Scans all UK frequencies for DAB stations and adds any new ones to the station list.

Autotune full
Scans the full range of digital frequencies in Band III. This option is for use outside the UK where other Band III stations may be available.

Station order

Change the order of stations on your station list using this option. The current order is shown at the top of the screen. Choose from the following:

Alphanumeric Displays all stations in alphanumeric order.

Favourite Displays your eight most listened to stations at the top of the station list and the others below. Your favourite stations are selected by how long you listen to each station and indicated by a heart next to the name in the station list.

Active Displays active stations at the top of the station list and inactive ones at the bottom, in alphanumeric order. Inactive stations are those on your station list but not currently available, marked with a '?'.

Multiplex Lists stations in groups according to their multiplex. Multiplexes are groups of stations owned and broadcast by a multiplex operator.

Trim stn list Removes inactive stations from the station list.

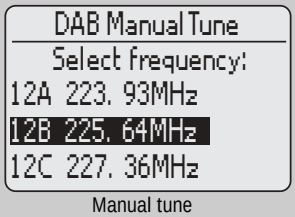
Favs → presets Available only when Favourite station order (above) has been selected. Transfers your eight favourite stations to presets.

Manual tune

Find new stations or fine tune your reception using this option.

You see a list of channels and frequencies. Each multiplex has a different channel and frequency (E.g., BBC is channel 12B and Digital One is 11D.

1. Select the channel you want from the list.
   You see a signal strength display. The marker indicates the minimum required level for reception and the filled blocks indicate the current level.
2. Move your aerial and try to raise the current level to the marker or beyond. You see the multiplex name at the top of the screen if a good signal is received and the stations in that multiplex are listed below and added to the station list.
3. Select a station or press INFO or MENU to exit manual tuning.



Manual tune

DRC

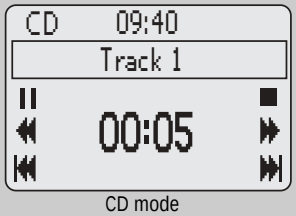
Make the quieter sounds in a broadcast easier to hear at low volume or in a noisy environment using this option. The DRC (Dynamic Range Control) level of a broadcast is set by the station and sent with the signal. At the time of writing only stations such as BBC Radio 3 and 4 regularly broadcast a DRC level. Check with the broadcasters to find out if they use DRC on their stations. Select one of the following options:

DRC OFF DRC is switched off. Any DRC level broadcast is ignored. This is the default setting.

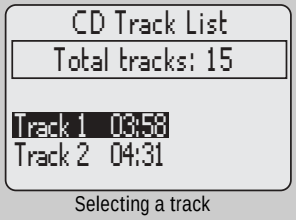
DRC HALF DRC level is set to half that sent with the broadcast.

DRC FULL Applies the DRC level as sent with the broadcast.

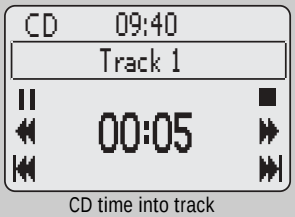
Playing a CD



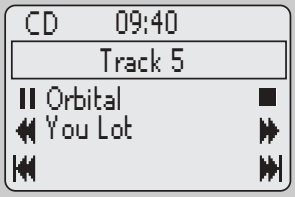
CD mode



Selecting a track



CD time into track



CD text

CD options

To listen to a CD press the CD/SD button or press the Mode button on the remote until you see CD in the top left of the screen.

Press the eject button (⏏) and place your CD label side up in the CD tray. Press the eject button again to load the CD. DMX-50 checks the CD type and loads a track list. If you insert a CD with MP3 files on it DMX-50 enters MP3 mode, see page 10.

If you close the CD tray by pushing the tray or pressing play the CD automatically starts playing. You see the standard CD controls, track title and time into track on the screen.

Selecting a track

To change tracks on a CD, either:

- turn the TUNE/SELECT dial to scroll through the track list, then push the dial to play the highlighted track or use the (▲▼ + Select) buttons on remote.
- use the skip forward or skip back buttons, shortcut buttons on screen or skip buttons on remote
- select a track number using the numbered buttons on the remote

Changing the information displayed

To change what you see on screen while you listen to a CD push the INFO button. Choose from the following options:

Track elapsed	Time the current track has been playing, or if stopped total time and number of tracks on the CD.
Track remaining	Time remaining of the current track.
Disc remaining	Time remaining of current CD.
CD text	Displays album name, track information, artist, etc., if included on the CD.
Date and time	Obtained from the DAB or FM (RDS) signal.

Changing CD options

To customise the way DMX-50 works in CD mode press the Menu button, select CD and choose from the following:

Play
Press Select to choose between playing all tracks on the CD [ALL] or just those on a playlist you have created [LIST]. See Set playlist below for details of creating a CD playlist. If you select LIST you see the playlist icon ( ).

Shuffle
Press Select to choose between playing CD tracks in the order they appear on the disc [OFF] or in a random order [ON]. If you select ON you see the shuffle icon ( ).

Repeat
Press Select to choose between repeating the current track [TRACK] when it ends or the whole disc [ALL]. This loops continuously until you set it to [OFF]. If you select TRACK you see the repeat track icon ( ), if you select ALL you see the repeat all icon ( ).

Set playlist

Create a playlist containing the order in which to play up to 20 tracks from the current CD. To create a playlist:

1. Turn the TUNE/SELECT dial and push to set the first track on your playlist.
2. Repeat until you have completed your playlist and select OK or press the bottom right shortcut button (OK) to set your playlist and exit. This automatically sets the Play mode to [LIST].

   You see the playlist icon ( ).

   Alternatively press the left middle shortcut button (Clear) to delete the current playlist order or bottom left shortcut button (Cancel) to exit the screen without saving any changes made

Your playlist is now set and if you play your CD it plays the tracks you specified in the order you specified.

The playlist remains available for as long as the CD inserted. If you eject the CD or change the CD the playlist you created is no longer available.

Playing an MP3 CD

MP3 mode

Press the CD/SD button or the Mode button on the remote until you see CD in the top left of the screen to listen to a CD with MP3 files stored on it. DMX-50 automatically detects if a CD has MP3 files on it and changes to MP3 mode.

MP3 files can be in folders on the CD if desired and MP3 playlist files are also supported. MP3 playlist files are simple text files (usually with a .M3U extension) specifying an order in which to play a selection of MP3 files on the CD.

The following icons on the track list help you identify tracks, folders and playlist files:

MP3 files	♪	Open folder	⊟
Playlist file	☰	Closed folder	⊞

Push the eject button and place your MP3 CD label side up in the CD tray. Push the eject button again to load the CD. DMX-50 checks the CD type, changes the mode to MP3 and displays the normal CD controls.

If you close the CD tray by pushing the tray or pressing play the CD automatically starts playing. You see the standard CD controls, track title and time into track on the screen.

MP3 track list

Selecting a track, playlist or folder

To change tracks on an MP3 CD, either:

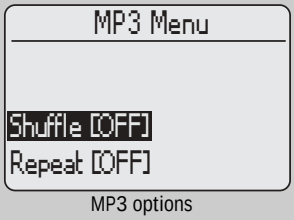
- turn the TUNE/SELECT dial to scroll through the track list, then push the dial to play the highlighted track or use the (▲ ▼ + Select) buttons on remote.
- use the skip forward or skip back buttons, shortcut buttons on screen or skip buttons on remote
- select a track number in the current folder using the numbered buttons on the remote. Tracks are numbered in the order they appear on the track list.

MP3 ID3 text

Changing the information displayed

To change what you see on screen while you listen to an MP3 push the Display button. Choose from the following options:

Time into track	Time the current track has been playing
ID3 text	Displays ID3 text – album name, track information artist etc., if included with file
Date and time	Obtained from the DAB or FM (RDS) signal.



MP3 options

Changing MP3 options

To customise the way DMX-50 works in MP3 CD mode press the Menu button, select MP3 and choose from the following:

Shuffle

Choose whether to play MP3 tracks in the order they appear on the disc, current selected folder or playlist [OFF], or in random order [ON]. If you select ON you see the shuffle icon ( ).

Repeat

Choose to repeat the current track [TRACK] when it ends or the whole disc, currently selected folder or playlist [ALL]. This loops continuously until you set it to [OFF]. If you select TRACK you see the repeat track icon ( ), if you select ALL you see the repeat all icon ( ).

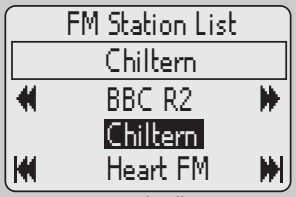
Listening to FM radio

To listen to FM radio press the DAB/FM button or the Mode button on the remote until you see FM in the top left of the screen. The first time you enter FM mode DMX-50 asks you to select the FM tuning mode you want. Use the shortcut buttons or TUNE/SELECT dial to select one of the following:

Autotune Finds all the stations available in your area and lists them in alphanumerical order using RDS (Radio Data System) station names where available.

Manual tuning Lets you tune manually either in steps of 0.05 MHz or using a seek to find the next station.

FM mode



FM station list

Selecting a station

You select a station in different ways depending on which tuning mode you have chosen:

Autotune To change stations, turn the TUNE/SELECT dial to scroll through the station list, then push the dial to tune to the highlighted station or use the shortcut buttons on screen.

Manual Tune To change stations, turn the TUNE/SELECT dial right or left to step up or down the frequency range or use the shortcut buttons on screen or remote to step ◀◀ ▶▶ or scan |◀◀ ▶▶| to the next station.

If you scan, the scan stops when the next station is found. The frequency display changes to show the RDS station name if available.

Changing the information displayed

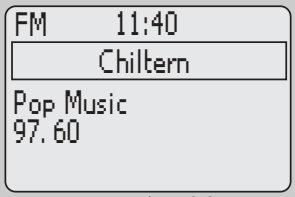
To change what you see on screen while you listen to FM radio press the INFO button. Choose between the following options:

RadioText Dynamic text broadcast by some RDS stations.

Broadcast info Description of the content broadcast by the station (RDS stations only), frequency, stereo/mono and signal strength.

Presets FM presets for quick access to your favourite stations using the six shortcut buttons.

Date and time Date and time updated by RDS signal if available.



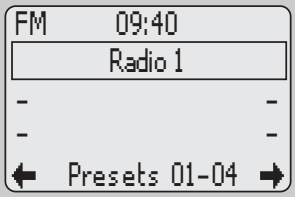
FM - Broadcast info

Storing and recalling presets

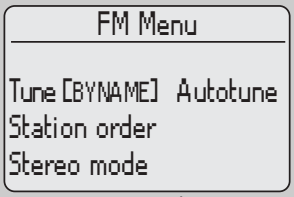
You can store up to 99 of your favourite stations as presets which you can then access quickly using the shortcut buttons or remote control.

Push any shortcut button or set the information mode to show the presets as described above. This shows the first page of presets on the screen. Flick through the other pages of presets using the left (⬅)and right (➡) shortcut buttons or skip buttons on the remote.

To store a preset - Hold down the shortcut button or numbered button on the remote you want to store the current station to until the station name or frequency appears or press the Save button and numbered buttons on the remote. The preset is stored.



FM - Presets



FM Setup options

To recall a preset - Press the shortcut button next to the preset you want to listen to or press the number buttons on the remote.

Changing FM options

To customise the way your DMX-50 works in FM mode press the MENU button, select FM and choose from the following:

Tune

Push the Tuning dial to choose between [BYNAME] which shows stations in a station list (similar to the DAB station list) using RDS station names or [MANUAL] to manually step through the FM frequencies in steps of 0.05 MHz or scan to next station.

Station order

Change the order of stations on your FM station list using this option. The current order is highlighted on screen. Choose from the following:

Alphanumeric Displays named stations at the top of the station list and others below in numerical order

Named stations Displays stations with an RDS name only

Stereo mode

Change the way stereo/mono signals are handled. Choose from:

Auto Uses stereo signal by default where available

Mono Uses mono signal only. This may provide clearer audio for stereo stations with poor reception.

Autotune

Performs a scan to find all the stations available in your area and lists them in alphanumeric order using RDS station names where available.

Using an SD memory card

You can use an SD card in your DMX-50 for recording* and playing back DAB digital radio or playing MP2/MP3 files recorded elsewhere.

SD cards are readily available from PURE and other electronics retailers. As a rough guide – a 64 MB card will give you around an hour of recording time from a 128 kbps broadcast data rate.

There is an ever increasing range of brands, capacities and quality of SD cards available. We have tested DMX-50 with the most popular cards but cannot guarantee all cards will work. Check www.pure.com/support for any known issues.

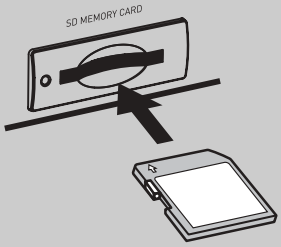
Note DMX-50 records files to SD cards in MP2 format. You may need to use a computer to convert these files to a different format if you wish to use them in another device that uses SD cards. Check www.pure.com/support for information on software you can use to convert files.

Inserting and removing a card

To insert an SD memory card in your DMX-50 push the card label side up into the slot on the front panel with the gold pins towards the rear of the unit until it clicks.

To remove a card push the card in slightly and it will pop out so you can remove it.

It is not recommended that you remove a card when the SD access light is lit.



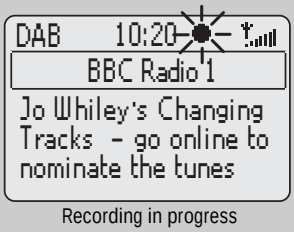
Inserting an SD card

Recording DAB radio

You can record DAB radio* to SD card. The amount you can record depends on the size of your card and the quality of the audio being broadcast.

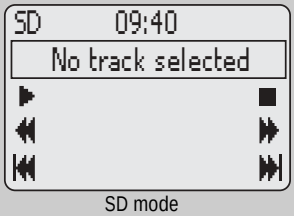
1. Tune to the DAB radio station you want to record from.
2. Press the RECORD button to start recording. You see the record icon ( ) flashing on the screen.
3. Press the RECORD button again to stop recording. You see a message giving the time, date and filename that the recording has been saved under. The filename is made up of the month, date and time. e.g. 10141020.mp2 means that the recording was made on October the 14th, starting at 10:20 am. The recording also stores the station and multiplex name. DAB recordings are saved in a special TRACKS folder on your SD card so they can be found easily.

Tip If you have just missed the start of something you wanted to record try using ReVu to go back to where you want the recording to start then pressing RECORD. See pages 5 and 6 for more details on using ReVu.



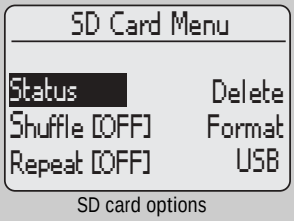
Recording in progress

*Record function provided for personal use only



SD mode

MP3 track list



SD card options

Playing files from SD card

To play MP2/MP3 files from an SD card press the CD/SD button or the Mode button on the remote until you see SD in the top left of the screen.

You see a list of the files ( )and folders ( ) on the SD card.

DMX-50 records MP2 files to a TRACKS folder when you record from DAB radio. DAB recordings will show recording date and time and show the station name and multiplex when played, MP3s will show track title and additional file information where available.

Selecting a track, playlist or folder

To change tracks on an SD card, either:

- turn the TUNING/SELECT dial to scroll through the track list, then push the dial to play the highlighted track or playlist or open or close a folder or use the (▲▼ + Select) buttons on the remote
- while playing use the skip forward or skip back shortcut buttons on screen or remote
- select a track number in the current folder using the numbered buttons on the remote. Tracks are numbered in the order they appear on the track list.

Changing the information displayed

To change what you see on screen while you listen to an MP2/MP3 from SD card press the INFO button. Choose from the following options:

Time into track	Time the current track has been playing
ID3 text	Displays ID3 text – album name, track information artist etc., if included with file
Date and time	Obtained from the DAB or FM (RDS) signal.

Changing SD card options

To change SD card settings, manage files and customise the way your DMX-50 works in SD mode press the MENU button, select SD Card and choose from the following:

Status

Displays the total, used and available space on the SD card.

Shuffle

Press SELECT to choose between playing MP3/MP2 tracks in the order they appear in the current folder [OFF] or in a random order [ON]. If you select ON you see the shuffle icon ( ).

Repeat

Press SELECT to choose between repeating the current track [TRACK] when it ends or all tracks in the current folder [ALL]. This loops continuously until you set it to [OFF]. If you select TRACK you see the repeat track icon ( ), if you select ALL you see the repeat all icon ( ).

Delete

You see a list of the tracks and folders on the SD card.

Turn the TUNE/SELECT dial to browse the list and push the dial, or use the (◀ ▲ ▼ ▶ + Select) buttons on the remote to delete the highlighted track or open/close a folder. Use the bottom left shortcut button to delete a highlighted folder or track and bottom right shortcut button to open/close a folder.

Press the Menu button to exit.

Format

Deletes all files (including any non-audio files) and clears the card. This may be a good idea if you have previously used the card in another device.

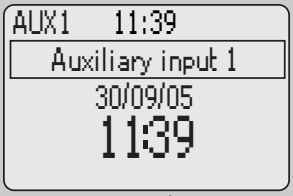
USB

Enables access to an SD card inserted in your DMX-50 using a USB connection to your PC. This enables you to manage files on your SD card using Windows Explorer on your PC e.g. move files to and from the SD card, delete files etc.

While USB access is enabled using this option you cannot access the files on the SD card using DMX-50, only through your PC.

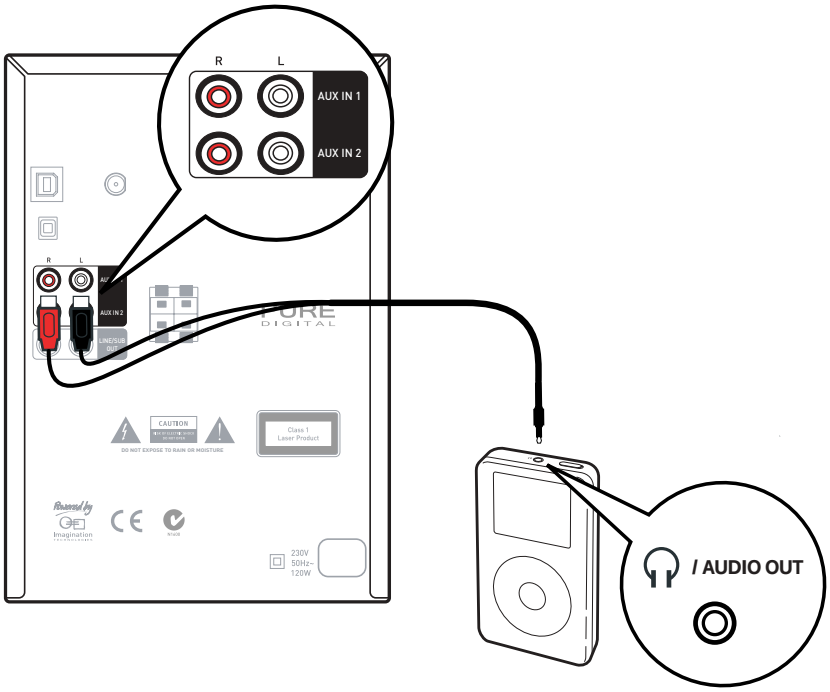
Press the TUNE/SELECT dial or the bottom right shortcut button to exit USB access mode.

Listening to a connected device



AUX mode

To listen to an audio source such as an iPod or MiniDisc player attached to the AUX 1 or AUX 2 inputs on your DMX-50 press the AUX1/2 button or press the Mode button on the remote until you see AUX 1/2 in the top left of the screen. The date and time obtained from the DAB or FM (RDS) signal are also displayed on screen when your DMX-50 is in Auxiliary mode.



Adjusting the volume of your connected device

It is recommended that you set the volume on your connected device quite high then use the volume control on your DMX-50 to control the volume through your speakers/headphones.

If you find that you need to turn your DMX-50 up quite loud you can alter the gain (amplification) applied to the auxiliary inputs using the AUX1 or AUX2 setup options.

To adjust the auxiliary input gain in AUX mode:

1. Press the MENU button, and select the AUX(1 or 2) menu option
2. Turn the TUNE/SELECT dial or use the ◄ / ► buttons on the remote to move the gain level between 0 and 12 dB (4 times as loud).
3. Press the TUNE/SELECT dial to select a value and exit.

General setup options

Push the menu button to access general setup options, available at all times. Choose one of the following options:

Audio

Tone

Turn the TUNE/SELECT dial to set the Bass output level. Press the Tuning dial again to set the Treble level.

Balance

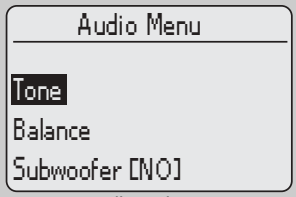
Turn the TUNE/SELECT dial to adjust the audio balance between left and right.

Subwoofer

Push the TUNE/SELECT dial to specify if you have an active subwoofer connected to your LINE/SUB OUT socket:

YES LINE/SUB OUT will be a variable level output and will mute if headphones are inserted.

NO LINE/SUB OUT will be a fixed line level output and will not mute if headphones are inserted.



Audio options

Screen

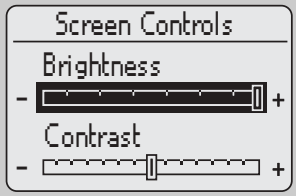
Active settings

Turn the TUNE/SELECT dial to set the screen backlight brightness. Press the Tuning dial again to set the contrast.

Standby settings

Turn the TUNE/SELECT dial to select the standby screen brightness level

Note if you set the backlight to its lowest setting (Screen off) in standby the blue power standby LED will not light up and you will not see the clock in standby. If you set it to the 2nd lowest (Backlight off) you will see the clock but no standby LED.



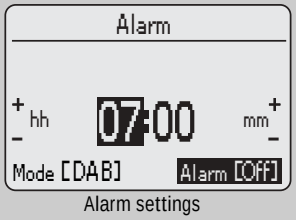
Active screen settings

Alarm

To set an alarm, which will switch the unit on (if in standby) and tune to a station or sound a tone:

Turn the TUNE/SELECT dial or use the +/- shortcut buttons to set an alarm time, Mode [DAB/FM/Tone] and set the Alarm [On]. Radio alarms tune to the station you were tuned to last in that mode and to the volume the radio was set to at the time the alarm went off. When the alarm is set you see the Alarm icon (🔔) on the screen. The alarm icon flashes when the alarm goes off.

To cancel the alarm and leave the unit switched on press the TUNE/SELECT dial or press the POWER button to cancel the alarm and switch off.



Alarm settings

Sleep timer

Turn the Tuning dial or use the +/- shortcut keys to set a time after which you want your DMX-50 to switch off. Choose between 15, 30, 45, 1hr, 1hr 15 and 1hr 30 minutes. To switch a sleep timer off use the Clear shortcut button or set the time to zero.

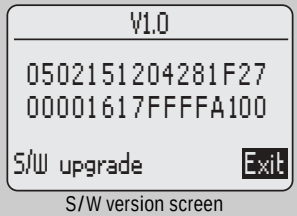
Sleep timer settings

S/W version

Displays the current software version installed on your DMX-50, 16-digit unit serial number and gives access to the Software Upgrade option.

Register your product and include an e-mail address to receive notification of software updates or visit our website at www.pure.com/support.

To upgrade your software, press the S/W upgrade shortcut button and follow the instructions on screen.



S/W version screen

Hints and tips

(>>/<<) DAB Secondary services

Secondary services accompany some stations, providing extra information or alternative content and may only be broadcast at certain times. At the time of writing not many secondary services are available. If a station has secondary services available, the station shows '>>' next to its name in the station list and the secondary service appears next to the station in the list. A secondary service has a '<<' before its name in the station list.

(?) Inactive or unavailable DAB stations

Inactive or unavailable stations are those which appear on the station list but are not currently available because either you are outside the broadcast area, have lost reception or the station is not currently broadcasting. Unavailable stations have a '?' before their name on the station list. If you select a station which has this symbol, DMX-50 tries to tune to the station again and returns to the last station you were listening to if unsuccessful.

I hear a 'burbling' sound on some DAB stations

Although DAB is excellent at providing quality audio from very little signal, the quality can suffer if the signal strength is too low. If that happens, a 'burbling' sound can sometimes be heard. To help reduce this, check that your aerial is fully extended. If the problem persists try moving your unit or repositioning your aerial using manual tuning.

Screen says 'No stations available' in DAB mode

Check that your aerial is fully extended. Use Autotune to search for stations. Use manual tuning to adjust your aerial position.

Clock shows the wrong time

This may happen if the last/current DAB multiplex or FM RDS station you tuned to broadcasts an incorrect time signal, try tuning to another station/different multiplex (DAB).

Resetting your unit

Resetting your DMX-50 removes all presets, stored stations and favourite station settings and resets all options to defaults. To reset:

1. Press and hold the MENU button for three seconds. The screen shows 'Do you want to reset?'.
2. Push the 'Yes' shortcut button or use the ◀ ▲ ▼ ▶ + Select button on the remote to confirm the reset or press no buttons to cancel the reset.

My speakers don't sound good

Make sure that the red (positive) terminal on the speakers is connected to the red terminal on DMX-50 and black (negative) to black .

Ensure the connections are secure and bared ends of the cables are contacting the metal of the terminals.

Note that from new, the sound from your speakers should improve over the course of a few days as they are 'run-in'.

My screen is too bright in standby

To set the brightness of your screen for when the unit is in standby press the MENU button, select Screen and choose Standby settings to alter the brightness or switch off the screen.

Alarm bell icon has a cross through it

This happens if you set an alarm but no DAB or FM RDS time has been acquired yet. Check that your aerial is extended, return to DAB/FM or standby and wait for a short period and the normal icon should appear indicating that the time has been acquired.

Screen says 'Time not available' or 'Waiting for time...'

This happens if time has not been acquired yet from a DAB signal or FM (RDS) signal. Check that your aerial is extended, switch to DAB, FM (RDS station) or standby mode, wait for a short period and the time should appear.

Technical specifications

Amplifier
40W RMS per channel power output (into 8 Ohms @10% THD+N, A-weighted)
10 Hz to 40 kHz (-3dB) frequency response
Bass and treble tone control

CD player
CD-R and CD-RW playback compatible
Support for CD Text and 20 track audio CD playlist
Multiple playback modes (repeat, shuffle, etc.)
MP3 playback, including support for ID3v2 tags and M3U playlists

DAB
PURE ReVu™ enables pause and rewind of live DAB digital radio
Full Band III (174 - 240 MHz) reception. Fully compliant with ETS 300 401 and capable of decoding all DAB transmission modes 1-4
Fast autotune feature

FM
Supports RDS and RadioText
Tune by RDS station name
87.5 - 108 MHz frequency range

SD card
SD card slot for recording DAB radio to SD card*
Red SD access warning LED
MP3 playback, including support for ID3v1 tags

Speakers
8 Ohms (nominal) impedance
40W RMS power handling
Polypropolene mid-bass drivers
2-way rear ported enclosure
Custom-tuned 2nd order crossovers

Connectors
3.5 mm headphone output on front panel
RF F-connector 75 Ohms for combined DAB/FM aerial connection
2 separate dual phono line level audio input for auxiliary device connection
Dual phono for either stereo analogue line level output or variable output.
Optical Toslink connector for digital S/PDIF output (IEC958 @ 48 kHz)
USB connector for software upgrades and SD card access
Stereo spring-clip terminals for speakers

General
Fully featured remote control
Compliant with the EMC and Low Voltage Directives (89/336/EEC and 73/23/EEC)
Main unit dimensions (mm) (excl. controls/connectors) 166 (w) x 240 (h) x 252 (d)
Speaker dimensions (mm) 150 (w) x 240 (h) x 255 (d)
2 x 3m speaker cable supplied
Integral mains cable with Euro/UK adapter
Bootlace DAB/FM aerial supplied
Two year warranty

*Record function provided for personal use only

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